

## SEQUENCE LISTING

&lt;110&gt; Merck &amp; Co., Inc.

<120> MURF GENE AND ENZYME OF PSEUDOMONAS  
AERUGINOSA

&lt;130&gt; 20194P

&lt;140&gt; 10/070,778

&lt;141&gt; 2002-03-07

&lt;150&gt; PCT/US00/24437

&lt;151&gt; 2000-09-06

&lt;150&gt; 60/153,293

&lt;151&gt; 1999-09-10

&lt;160&gt; 4

&lt;170&gt; FastSEQ for Windows Version 4.0

&lt;210&gt; 1

&lt;211&gt; 1449

&lt;212&gt; DNA

&lt;213&gt; Pseudomonas aeruginosa

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&lt;212&gt; PRT

<213> *Pseudomonas aeruginosa*

&lt;400&gt; 2

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          35          40          45
Phe Asp Gly His Asp Tyr Leu Ala Glu Val Ala Ala Lys Gly Ala Val
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Ala Ala Leu Val Glu Arg Glu Val Ala Asp Ala Pro Leu Pro Gln Leu
65          70          75          80
Leu Val Arg Asp Thr Arg Ala Ala Leu Gly Arg Leu Gly Ala Leu Asn
          85          90          95
Arg Arg Lys Phe Thr Gly Pro Leu Ala Ala Met Thr Gly Ser Ser Gly
          100          105          110
Lys Thr Ala Val Lys Glu Met Leu Ala Ser Ile Leu Arg Thr Gln Ala
          115          120          125
Gly Asp Ala Glu Ser Val Leu Ala Thr Arg Gly Asn Leu Asn Asn Asp
          130          135          140
Leu Gly Val Pro Leu Thr Leu Leu Gln Leu Ala Pro Gln His Arg Ser
145          150          155          160
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          165          170          175
Val Glu Leu Thr Arg Pro His Val Ala Ile Ile Thr Asn Ala Gly Thr
          180          185          190
Ala His Val Gly Glu Phe Gly Gly Pro Glu Lys Ile Val Glu Ala Lys
          195          200          205
Gly Glu Ile Leu Glu Gly Leu Ala Ala Asp Gly Thr Ala Val Leu Asn
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Leu Asp Asp Lys Ala Phe Asp Thr Trp Lys Ala Arg Ala Ser Gly Arg
225          230          235          240
Pro Leu Leu Thr Phe Ser Leu Asp Arg Pro Gln Ala Asp Phe Arg Ala
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Gly Val Ala Gly Glu Ala Gln Val Gln Leu Asn Leu Leu Gly Arg His
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Asn Val Ala Asn Ala Leu Ala Ala Ala Ala Ala His Ala Leu Gly
          290          295          300
Val Pro Leu Asp Gly Ile Val Ala Gly Leu Gln Ala Leu Gln Pro Val
305          310          315          320
Lys Gly Arg Ala Val Ala Gln Leu Thr Ala Ser Gly Leu Arg Val Ile
          325          330          335
Asp Asp Ser Tyr Asn Ala Asn Pro Ala Ser Met Leu Ala Ala Ile Asp
          340          345          350
Ile Leu Ser Gly Phe Ser Gly Arg Thr Val Leu Val Leu Gly Asp Met
          355          360          365
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Tyr Ala Ala Gly Lys Val Ser Ala Leu Tyr Ala Val Gly Pro Leu Met
385          390          395          400

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 <213> Artificial Sequence

<220>  
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27